	Application No.	Applicant(s)
Notice of Allowability	09/782,807	WRIGHT ET AL.
	Examiner	Art Unit	
	Anthony T Ton	2661	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to *10/01/2004*.

2. ☒ The allowed claim(s) is/are *1-3, 5-11, 13-17 and 20-28*.

3. ☒ The drawings filed on *2/14/2001* are accepted by the Examiner.

4. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).

    a) ☐ All   b) ☐ Some*   c) ☐ None of the:

       1. ☐ Certified copies of the priority documents have been received.

       2. ☐ Certified copies of the priority documents have been received in Application No. _____ .

       3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

    * Certified copies not received: _____ .

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application. **THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.**

5. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.

6. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.

    (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached

       1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____ .

    (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____ .

Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).

7. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

1. ☐ Notice of References Cited (PTO-892)

2. ☐ Notice of Draftperson's Patent Drawing Review (PTO-948)

3. ☐ Information Disclosure Statements (PTO-1449 or PTO/SB/08), Paper No./Mail Date _____

4. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material

5. ☐ Notice of Informal Patent Application (PTO-152)

6. ☐ Interview Summary (PTO-413), Paper No./Mail Date _____ .

7. ☒ Examiner's Amendment/Comment

8. ☒ Examiner's Statement of Reasons for Allowance

9. ☐ Other _____ .

PHIRIN SAM
PRIMARY EXAMINER

<div align="center">

DETAILED ACTION

EXAMINER'S AMENDMENT

</div>

1.   The following is an examiner's statement of reasons for amending claims 1, 5, 9 and 17,

and canceling claims 4, 12, 18 and 19:

Based on a conversation between the Examiner **Anthony Ton** and Attorney **Noel F. Heal**

(Registration No. 26,074) on 1/18/2005 and 1/19/2005, the Attorney does agree to allow the

Examiner to do an Examiner's statement as the following:

a) **In Claim 1**: Please delete the word "**and**" in line 11; then insert the following subject

matters after the word "**data field;**" in line 11:

--- constructing a subsequence remnant packet characterized by the fixed-fixed packet

format by inserting a second portion of the original data packet information in the data field of

the subsequent remnant packet; and ---

b) **In Claim 5**: Please change the word "**claim 4**" in line 1 to the word "**claim 1**"

c) **In Claim 9**: Please delete the word "**and**" in line 10, and delete the period "**.**" in line

12; then insert the following subject matters after the word "**data packet**" in line 12:

--- ; and

when the current remnant packet and a prior remnant packet form part of a common

message, storing at least a portion of prior remnant packet data information in the data field of

the reconstructed data packet. ---

d) **In Claim 17**: Please delete the word "**and**" in line 7, and delete the period "**.**" in line

12; then insert the following subject matters after the word "**remnant data field**" in line 12:

--- ; and

means for constructing a subsequence remnant packet characterized by the fixed-fixed

packet format by inserting a second portion of the original data packet information in the data

field of the subsequent remnant packet. ---

e) Please cancel **Claims 4, 12, 18** and **19**.

Allowable Subject Matter

2.   The following is an examiner's statement of reasons for allowance:

a) **In Regarding to Claims 1-3** and **5-8:** The prior arts of record fail to teach a method

for sending a data packet through an intermediate communication network that uses internal

routing incompatible with the data packet, the method comprising a combination of steps of:

constructing a remnant packet characterized by the same fixed-length packet format as

that of the original data packet, including a remnant packet data field and a remnant packet

address field by inserting at least a portion of the original packet routing information in the

remnant packet data field; and

constructing a subsequence remnant packet characterized by the fixed-fixed packet

format by inserting a second portion of the original data packet information in the data field of

the subsequent remnant packet.

b) **In Regarding to Claims 9-11, 15** and **16:** The prior arts of record fail to teach a

method for receiving a data packet from an intermediate communication network, the method

comprising a combination of steps of:

building a reconstructed data packet characterized by the same fixed-length packet format

as that of the received current remnant packet by:

identifying original data packet routing information contained in the data field of the current remnant packet;

inserting the original data packet routing information in the address field of the reconstructed data packet; and

when the current remnant packet and a prior remnant packet form part of a common message, storing at least a portion of prior remnant packet data information in the data field of the reconstructed data packet.

c) **In Regarding to Claim 13:** The prior arts of record fail to teach a method for receiving a data packet, the method comprising a combination of steps of:

building a reconstructed data packet characterized by the fixed-length packet format by:

identifying original data packet routing information contained in the data field of the current remnant packet;

inserting the original data packet routing information in the address field of the reconstructed data packet;

when the current remnant packet and a prior remnant packet form part of a common message, storing at least a portion of prior remnant packet data information in the data field of the reconstructed data packet; and

comparing the remnant routing information to stored packet routing information to determining when the prior remnant packet and the current remnant packet form part of the common message.

d) **In Regarding to Claim 14:** The prior arts of record fail to teach a method for receiving a data packet, the method comprising a combination of steps of:

building a reconstructed data packet characterized by the fixed-length packet format by:

identifying original data packet routing information contained in the data field of the

current remnant packet;

constructing a second reconstructed data packet according to the fixed-length packet

format by:

identifying subsequent original data packet routing information contained in the data field

· of the subsequent remnant packet; and

inserting a least a second portion of data information from the data field of the

subsequent remnant packet in the data field of the second reconstructed data packet.

e) **In Regarding to Claims 17** and **20-22:** The prior arts of record fail to teach a

communication network node for communicating data packets from an external communication

network to an intermediate communication network that uses internal routing incompatible with

external communication network, the communication network node comprising a combination of

steps of:

a processor coupled to the receiver and operate to construct a remnant packet for

transmission through the intermediate communication network using the same fixed-length

packet format as that of the original data packet, including a remnant packet data field and a

remnant packet address field and a remnant data field, by moving at least a portion of the original

address field into the remnant packet data field; and

means for constructing a subsequence remnant packet characterized by the fixed-fixed

packet format by inserting a second portion of the original data packet information in the data

field of the subsequent remnant packet.

f) **In Regarding to Claims 23-28:** The prior arts of record fail to teach a communication network node for communicating data packets from an external communication network to an intermediate communication network that uses internal routing incompatible with external communication network, the communication network node comprising a combination of steps of:

a receiver for receiving a remnant packet after transmission through the intermediate communication network using a fixed-length packet format defining a remnant data field comprising original data packet routing information and original data packet data information; and

a processor operable to form a reconstructed data packet characterized by the same fixed-length packet format as that of the original data packet, including a reconstructed address field and a reconstructed data field, the reconstructed address field comprising original packet routing information from the remnant data field.

3.   Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Examiner Information

4.   Any inquiry concerning this communication or earlier communications from the examiner should be directed to **Anthony T Ton** whose telephone number is **571-272-3076**. The examiner can normally be reached on M-F: 9:00 am - 5:30 pm.
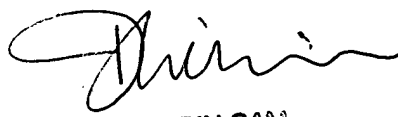
If attempts to reach the examiner by telephone are unsuccessful, the examiner's

supervisor, **Chau Nguyen** can be reached on **571-272-3126**. The fax phone number for the

organization where this application or proceeding is assigned is **703-872-9306**.

Information regarding the status of an application may be obtained from the Patent

Application Information Retrieval (PAIR) system. Status information for published applications

may be obtained from either Private PAIR or Public PAIR. Status information for unpublished

applications is available through Private PAIR only. For more information about the PAIR

system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR

system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Respectfully submitted,

by: _____
Anthony T. Ton
Patent Examiner
January 19, 2005

PHIRIN SAM
PRIMARY EXAMINER